
BIOGRAPHICAL SKETCH

NAME Finney, Lydia A.	POSITION TITLE Postdoctoral Appointee		
eRA COMMONS USER NAME			
EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Northwestern University, Evanston, IL State university of New York at Albany	Ph.D. B.S.	2005 1998	Inorganic Chemistry Chemistry/Mathematics

Positions and Honors:

- 2005-present Postdoctoral Fellow in Functional Metalloproteomics
Argonne National Laboratory
Argonne, IL
- 1999-2005 Graduate Assistant
Northwestern University
Evanston, Illinois
- 1998-1999 Research Assistant
Michigan State University
East Lansing, Michigan
- 1996-1998 Independent Research
State University of New York at Albany
Albany, New York
- 2002 Elected as an Associate Member to Sigma Xi
- 1999 John and Fannie Hertz Graduate Fellowship
National Science Foundation Graduate Fellowship Honorable Mention
American Institute of Chemists Foundation Student award
- 1998 National Science Foundation Research Experience for Undergraduates Scholarship
- 1997 Barry M. Goldwater Scholar
State University of New York Chancellor's Award for Academic Excellence
- 1996 CRC Press Freshman Chemistry Award
- 1995 Robert C. Byrd Scholar State of New York
University Honors Scholarship State University of New York at Albany

Selected peer-reviewed publications

- 2006 Finney, L., Mandavi, S., Ursos, L. Zhang, W., Rodi, D., Vogt, S., Legnini, D., Maser, J., Ikpatt, F., Olufunmilayo, O., and Glesne, D. X-Ray Fluorescence Microscopy Reveals Large-scale Relocalization and Extracellular Translocation of Cellular Copper During Angiogenesis. PNAS, *Submitted*.
- Finney, L.A., Tobin, D.A., Singer, C. P., Outten, C.E., Penner-Hahn, J.E., and O'Halloran, T.V. Coordination Chemistry of a Metal Binding Domain in the *E. coli* Zinc Transport Protein, ZntA *Biochemistry*, *In preparation*.
- 2003 Finney, L.A., O'Halloran, T.V. Transition Metal Speciation in the Cell: Insights from the Chemistry of Metal Ion Receptors *Science* 2003, *300*, 931-936.
- Wernimont, A.K., Huffman, D.L., Finney, L.A., Demeler, B., O'Halloran, T.V., Rosenzweig, A.C. Crystal structure and dimerization equilibria of PcoC, a methionine rich copper resistance protein from *Escherichia coli*. *J. Biol. Inorg. Chem.* 2003, *8*, 185-194.
- 2002 Banci, L. Bertini, I., Ciofi-Baffoni, S., Finney, L. A., Outten, C. E., and O'Halloran, T. V. A new zinc protein coordination site in an intracellular metal-trafficking protein: Solution structure of the apo and Zn(II) forms of ZntA(46-118). *J. Mol. Biol.*, 2002, *323*, 883-897.
- Huffmann, D. L., Huyett, J., Outten, F. W., Doan, P. E., Finney, L. A., Hoffman, B. W., and O'Halloran, T. V. Spectroscopy of Cu(II)-PcoC and the multicopper oxidase function of PcoA, Two Essential components of *Escherichia coli pco* copper resistance operon. *Biochemistry*, *41*, (31), pp 10046 – 10055.